

### CLAIMS

1. An antibiotic method for processing a part of a refrigerator using a silver-based antibiotic substance, comprising the steps of:
  - 5 forming a preform of the part to have a thickness relatively smaller than that of a finished product of the part through an extrusion process;
  - mixing 0.05 to 0.1% by weight of the silver-based antibiotic substance in the form of pellets with a resin based on the total weight of the resin; and
  - forming an antibiotic layer on a surface of the preform of the part using the resin
- 10 with the antibiotic substance mixed therewith.
2. The method as claimed in claim 1, wherein the antibiotic layer is formed by laminating a film made of the resin with the antibiotic substance mixed therewith.
- 15 3. The method as claimed in claim 1, wherein the antibiotic layer is formed on the surface of the part of the refrigerator through multi-extrusion.
4. An antibiotic method for processing a part of a refrigerator using a silver-based antibiotic substance, comprising the steps of:
  - 20 mixing the silver-based antibiotic substance in the form of pellets with a resin; and
  - injection-molding a preform of a finish product of the part using the resin with the silver-based antibiotic substance mixed therewith.
5. The method as claimed in any one of claims 2 to 4, wherein the silver-based
- 25 antibiotic substance comprises 60 to 80% by weight of an oxide of Ag ions having diameters of several dozen to hundred nanometers, 10 to 20% by weight of zirconium phosphate, and 10 to 20% by weight of a zinc oxide.
6. The method as claimed in claim 4, wherein about 0.05 to 0.1% by weight of the
- 30 silver-based antibiotic substance in the form of pellets is mixed with the resin based on the

total weight of the resin.

7. The method as claimed in any one of claims 2 to 4, wherein the preform of the finished product of the part is formed by means of a master batch method using the resin  
5 with the silver-based antibiotic substance mixed therewith.